Innovation & Design Programme
NUS College of Design and Engineering

Bachelor of Engineering (Mechanical Engineering) with Second Major in Innovation & Design

Cohort AY2022/2023

Modular Requirements	Modular Credits (MCs)
Common Curriculum	
GEA1000 Quantitative Reasoning with Data	4
CS1010E Programming Methodology	4
ES2631 Critique and Communication of Thinking and Design [1]	4
GE: Cultures and Connections [1]	4
GE: Singapore Studies [1]	4
GE: Communities and Engagement [1]	4
CDE2000 Creating Narratives	4
DTK1234 Design Thinking	4
EE2211 Introduction to Machine Learning	4
EG1311 Design and Make	4
EG2501 Liveable Cities	4
IE2141 Systems Thinking and Dynamics	4
PF1101 Fundamentals of Project Management	4
EG4301 DCP Dissertation or EG4301A Ideas to Start-up (over 2 consecutive semesters) [2]	8
Sub-total for Common Curriculum	**60**
Engineering Core	
MA1505 Mathematics I	4
MA1512 Differential Equations for Engineering	2
MA1513 Linear Algebra with Differential Equations	2
EG2401A Engineering Professionalism	2
EG3611A Industrial Attachment or CFG2101 NUS Vacation Internship Programme [3] and EG3612 Vacation Industrial Attachment	10
Sub-total for Engineering Core	**20**
Engineering Programme Requirements	
ME1102 Engineering Principles and Practice I	4
ME2104 Engineering Principles and Practice II	4
ME2102 Engineering Innovation and Modelling	4
ME2112 Strength of Materials	4
ME2115 Mechanics of Machines	4
ME2121 Engineering Thermodynamics and Heat Transfer	4
ME2134 Fluids Mechanics I	4
ME2142 Feedback Control Systems	4
ME2162 Manufacturing Processes	4
Technical elective	4
Sub-total for Engineering Programme Requirements	**40**
Unrestricted Electives	
Group A module for Second Major	4
Group B module for Second Major	4
Group C modules for Second Major (Innovation & Enterprise electives)	8
EG3301R DCP Project (over 2 consecutive semesters)	12
EG4301 DCP Dissertation or EG4301A Ideas to Start-up (over 2 consecutive semesters) [2]	4
Other unrestricted electives	8
Sub-total for Unrestricted Electives	**40**
Total	**160**

(updated 3 September 2022)

Innovation & Design Programme
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Notes:

[1] Students may read equivalent modules in USP/NUSC, UTCP, and RVRC.

[2] The 12 MCs for EG4301/EG4301A are counted towards 8 MCs for the Integrated Project requirement in the Common Curriculum while 4 MCs are counted as unrestricted elective.

[3] May be replaced by EG2605 Undergraduate Research Opportunities Programme.

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule – JC-intake students or equivalent
(for students who opt for vacation internships)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
EG1311 Design & Make	4	DTK1234 Design Thinking	4
MA1505 Mathematics I	4	MA1512 Differential Equations for Engineering	2
GE	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		Group A/B module for Second Major ^	4
Sub-total	**20**	**Sub-total**	**24**

Summer vacation between Semesters 2 and 3	MCs
CFG2101 NUS Vacation Internship Programme	4
Sub-total	**4**

Semester 3	MCs	Semester 4	MCs
ME2102 Engineering Innovation and Modelling	4	EE2211 Introduction to Machine Learning	4
ME2112 Strength of Materials	4	EG2501 Liveable Cities	4
ES2631 Critique and Communication of Thinking and Design	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
IE2141 Systems Thinking & Dynamics	4	ME2134 Fluids Mechanics I	4
Group A/B module for Second Major	4	EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**22**

Summer vacation between Semesters 4 and 5	MCs
EG3612 Vacation Internship Attachment	6
Sub-total	**6**

Semester 5	MCs	Semester 6 – can be used for SEP	MCs
EG3301R DCP Project	6	Innovation & Enterprise Elective 1	4
ME2162 Manufacturing Processes	4	ME2115 Mechanics of Machines	4
GE *	4	EG2401A Engineering Professionalism	2
GE *	4	UE	4
		UE	4
Sub-total	**18**	**Sub-total**	**18**

Semester 7	MCs	Semester 8	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
Innovation & Enterprise Elective 2	4	Technical Elective	4
ME2142 Feedback Control Systems	4	CDE2000 Creating Narratives	4
Sub-total	**14**	**Sub-total**	**14**

^ Students can only take EG2310 or EG2301 in this semester. Those who wish to take EG2201A (in lieu of EG2310) and EG2311/EG2606B (in lieu of EG2301) may clear both modules concurrently in Semester 3.

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear these modules earlier.

(updated 3 September 2022)

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule – JC-intake students or equivalent
(for students who opt for vacation internships plus a specialisation)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
EG1311 Design & Make	4	DTK1234 Design Thinking	4
MA1505 Mathematics I	4	MA1512 Differential Equations for Engineering	2
GE	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		Group A/B module for Second Major ^	4
Sub-total	**20**	**Sub-total**	**24**

Summer vacation between Semesters 2 and 3	MCs
CFG2101 NUS Vacation Internship Programme	4
Sub-total	**4**

Semester 3	MCs	Semester 4	MCs
ME2102 Engineering Innovation and Modelling	4	EE2211 Introduction to Machine Learning	4
ME2112 Strength of Materials	4	EG2501 Liveable Cities	4
ES2631 Critique and Communication of Thinking and Design	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
IE2141 Systems Thinking & Dynamics	4	ME2134 Fluids Mechanics I	4
Group A/B module for Second Major	4	EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**22**

Summer vacation between Semesters 4 and 5	MCs
EG3612 Vacation Internship Attachment	6
Sub-total	**6**

Semester 5	MCs	Semester 6 – can be used for SEP	MCs
EG3301R DCP Project	6	Innovation & Enterprise Elective 1	4
ME2162 Manufacturing Processes	4	ME2115 Mechanics of Machines	4
GE *	4	EG2401A Engineering Professionalism	2
GE *	4	Specialisation module 1	4
		Specialisation module 2	4
Sub-total	**18**	**Sub-total**	**18**

Semester 7	MCs	Semester 8	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
Innovation & Enterprise Elective 2	4	Specialisation module 4	4
ME2142 Feedback Control Systems	4	Specialisation module 5	4
Specialisation module 3	4	CDE2000 Creating Narratives	4
Sub-total	**18**	**Sub-total**	**18**

^ Students can only take EG2310 or EG2301 in this semester. Those who wish to take EG2201A (in lieu of EG2310) and EG2311/EG2606B (in lieu of EG2301) may clear both modules concurrently in Semester 3.

(updated 3 September 2022)

Innovation & Design Programme
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Recommended semester schedule – JC-intake students or equivalent
(for students who opt for industrial attachment)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
EG1311 Design & Make	4	DTK1234 Design Thinking	4
MA1505 Mathematics I	4	MA1512 Differential Equations for Engineering	2
GE	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		Group A/B module for Second Major ^	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	MCs	Semester 4	MCs
ME2102 Engineering Innovation and Modelling	4	EE2211 Introduction to Machine Learning	4
ME2112 Strength of Materials	4	EG2501 Liveable Cities	4
ES2631 Critique and Communication of Thinking and Design	4	ME2134 Fluids Mechanics I	4
IE2141 Systems Thinking & Dynamics	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
Group A/B module for Second Major	4	EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**22**

Semester 5	MCs	Semester 6	MCs
EG3301R DCP Project	6	EG3611A Industrial Attachment	10
ME2115 Mechanics of Machines	4		
ME2162 Manufacturing Processes	4		
EG2401A Engineering Professionalism	2		
GE *	4		
Sub-total	**20**	**Sub-total**	**10**

Semester 7	MCs	Semester 8	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
Innovation & Enterprise Elective 1	4	Innovation & Enterprise Elective 2	4
ME2142 Feedback Control Systems	4	Technical Elective	4
GE *	4	CDE2000 Creating Narratives	4
UE	4	UE	4
Sub-total	**22**	**Sub-total**	**22**

^ Students can only take EG2310 or EG2301 in this semester. Those who wish to take EG2201A (in lieu of EG2310) and EG2311/EG2606B (in lieu of EG2301) may clear both modules concurrently in Semester 3.

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear these modules earlier.

(updated 3 September 2022)

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule – JC-intake students or equivalent
(for students who opt for industrial attachment plus a specialisation)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
EG1311 Design & Make	4	DTK1234 Design Thinking	4
MA1505 Mathematics I	4	MA1512 Differential Equations for Engineering	2
GE	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		Group A/B module for Second Major ^	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	MCs	Semester 4	MCs
ME2102 Engineering Innovation and Modelling	4	EE2211 Introduction to Machine Learning	4
ME2112 Strength of Materials	4	EG2501 Liveable Cities	4
ES2631 Critique and Communication of Thinking and Design	4	ME2134 Fluids Mechanics I	4
IE2141 Systems Thinking & Dynamics	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
Group A/B module for Second Major	4	EG3301R DCP Project	6
GE	4		
Sub-total	**24**	**Sub-total**	**22**

Semester 5	MCs	Semester 6	MCs
EG3301R DCP Project	6	EG3611A Industrial Attachment	10
Innovation & Enterprise Elective 1	4		
ME2115 Mechanics of Machines	4		
ME2162 Manufacturing Processes	4		
EG2401A Engineering Professionalism	2		
GE *	4		
Sub-total	**24**	**Sub-total**	**10**

Semester 7	MCs	Semester 8	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
Innovation & Enterprise Elective 2	4	Specialisation module 3	4
ME2142 Feedback Control Systems	4	Specialisation module 4	4
Specialisation module 1	4	Specialisation module 5	4
Specialisation module 2	4	CDE2000 Creating Narratives	4
Sub-total	**22**	**Sub-total**	**22**

^ Students can only take EG2310 or EG2301 in this semester. Those who wish to take EG2201A (in lieu of EG2310) and EG2311/EG2606B (in lieu of EG2301) may clear both modules concurrently in Semester 3.

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear this module earlier.

(updated 3 September 2022)

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule – JC-intake students or equivalent
(for students in year-long NOC programmes)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
EG1311 Design & Make	4	DTK1234 Design Thinking	4
MA1505 Mathematics I	4	MA1512 Differential Equations for Engineering	2
GE	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		Group A/B module for Second Major ^	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	MCs	Semester 4	MCs
ME2102 Engineering Innovation and Modelling	4	EE2211 Introduction to Machine Learning	4
ME2112 Strength of Materials	4	EG2501 Liveable Cities	4
ES2631 Critique and Communication of Thinking and Design	4	ME2134 Fluids Mechanics I	4
IE2141 Systems Thinking & Dynamics	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
Group A/B module for Second Major	4	EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**22**

Semester 5	MCs	Semester 6 – NOC	MCs
EG3301R DCP Project	6	NOC	
ME2115 Mechanics of Machines	4		
ME2162 Manufacturing Processes	4		
GE *	4		
Sub-total	**18**	**Sub-total**	**20**

Semester 7 – NOC	MCs	Semester 8	MCs
NOC		ME2142 Feedback Control Systems	4
		Technical Elective	4
		CDE2000 Creating Narratives	4
		GE *	4
Sub-total	**20**	**Sub-total**	**16**

^ Students can only take EG2310 or EG2301 in this semester. Those who wish to take EG2201A (in lieu of EG2310) and EG2311/EG2606B (in lieu of EG2301) may clear both modules concurrently in Semester 3.

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear these modules earlier.

A year-long NOC programme comprises the following modules:

- TR3201N Entrepreneurship Practicum (8 MCs) – replaces EG4301A (4 MCs out of 12 MCs) and UE (4 MCs)
- TR3202N Start-up Internship Programme (12 MCs) – replaces EG3611A (10 MCs) and EG2401A (2 MCs)
- TR3203N Start-up Case Study and Analysis (8 MCs) – replaces EG4301A (8 MCs out of 12 MCs)
- Entrepreneurship courses (up to 12 MCs) – replaces Innovation & Enterprise electives (up to 8 MCs) while the rest are counted as UE

(updated 3 September 2022)

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule – JC-intake students or equivalent
(for students in one-semester NOC programmes)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
EG1311 Design & Make	4	DTK1234 Design Thinking	4
MA1505 Mathematics I	4	MA1512 Differential Equations for Engineering	2
GE	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		Group A/B module for Second Major ^	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	MCs	Semester 4	MCs
ME2102 Engineering Innovation and Modelling	4	EE2211 Introduction to Machine Learning	4
ME2112 Strength of Materials	4	EG2501 Liveable Cities	4
ES2631 Critique and Communication of Thinking and Design	4	ME2134 Fluids Mechanics I	4
IE2141 Systems Thinking & Dynamics	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
Group A/B module for Second Major	4	EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**22**

Semester 5	MCs	Semester 6 – NOC	MCs
EG3301R DCP Project	6	NOC	
ME2115 Mechanics of Machines	4		
ME2162 Manufacturing Processes	4		
GE *	4		
Sub-total	**18**	**Sub-total**	**20**

Semester 7	MCs	Semester 8	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
ME2142 Feedback Control Systems	4	Technical Elective	4
GE *	4	CDE2000 Creating Narratives	4
UE	4	UE	4
Sub-total	**18**	**Sub-total**	**18**

^ Students can only take EG2310 or EG2301 in this semester. Those who wish to take EG2201A (in lieu of EG2310) and EG2311/EG2606B (in lieu of EG2301) may clear both modules concurrently in Semester 3.

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear these modules earlier.

A one-semester NOC programme comprises the following modules:

- TR3202S Start-up Internship Programme (12 MCs) – replaces EG3611A (10 MCs) and EG2401A (2 MCs)
- TR3204 Entrepreneurship Practicum (4 MCs) – replaces Innovation & Enterprise Elective 1
- Entrepreneurship course (4 MCs) – replaces Innovation & Enterprise Elective 2

(updated 3 September 2022)

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule – JC-intake students or equivalent
(for students in Engineering Scholars Programme)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
ME2102 Engineering Innovation and Modelling	4	GEA1000 Quantitative Reasoning with Data	4
ME2162 Manufacturing Processes	4	DTK1234 Design Thinking	4
PF1101 Fundamentals of Project Management	4	MA1512 Differential Equations for Engineering	2
RC4 module 1 (replaces GE)	4	MA1513 Linear Algebra with Differential Equations	2
Group B module for Second Major	4	RC4 module 2 (replaces GE)	4
		EG3301R DCP Project	6
Sub-total	**24**	**Sub-total**	**26**

Semester 3	MCs	Semester 4 – NOC	MCs
ME2112 Strength of Materials	4	NOC	
ME2121 Engineering Thermodynamics and Heat Transfer	4		
ME2134 Fluids Mechanics I	4		
RC4 module 3 (replaces GE)	4		
EG3301R DCP Project	6		
Group A module for Second Major	4		
Sub-total	**26**	**Sub-total**	**20**

Semester 5	MCs	Semester 6	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
ME2115 Mechanics of Machines	4	EE2211 Introduction to Machine Learning	4
ME2142 Feedback Control Systems	4	EG2501 Liveable Cities	4
RC4 module 4 (replaces ES2631 Critique and Communication of Thinking and Design)	4	Technical Elective	4
UE (or IE2141 Systems Thinking & Dynamics if not in RC4)	4	CDE2000 Creating Narratives	4
UE	4	UE	4
Sub-total	**26**	**Sub-total**	**26**

Students must complete the following modules before Semester 1 through advanced placement credits:

- CS1010E Programming Methodology (4 MCs)
- MA1505 Mathematics I (4 MCs)
- EG1311 Design & Make (4 MCs)

A one-semester NOC programme comprises the following modules:

- TR3202S Start-up Internship Programme (12 MCs) – replaces EG3611A (10 MCs) and EG2401A (2 MCs)
- TR3204 Entrepreneurship Practicum (4 MCs) – replaces Innovation & Enterprise Elective 1
- Entrepreneurship course (4 MCs) – replaces Innovation & Enterprise Elective 2

Students who are not going on NOC must read EG2101 Pathways to Engineering Leadership in lieu of EG2401A.

(updated 3 September 2022)

Innovation & Design Programme
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Recommended semester schedule – poly-intake students
(for students who are not required to take MA1301)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
ME2102 Engineering Innovation and Modelling	4	ME2112 Strength of Materials	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
MA1505 Mathematics I	4	MA1512 Differential Equations for Engineering	2
Group A/B module for Second Major ^	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**26**

Semester 3	MCs	Semester 4	MCs
ME2134 Fluids Mechanics I	4	EG2501 Liveable Cities	4
ME2162 Manufacturing Processes	4	EE2211 Introduction to Machine Learning	4
ES2631 Critique and Communication of Thinking and Design	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
IE2141 Systems Thinking & Dynamics	4	ME2142 Feedback Control Systems	4
EG3301R DCP Project	6	GE	4
Group A/B module for Second Major	4	EG2401A Engineering Professionalism	2
Sub-total	**26**	**Sub-total**	**22**

Semester 5	MCs	Semester 6	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
Innovation & Enterprise Elective 1	4	Innovation & Enterprise Elective 2	4
ME2115 Mechanics of Machines	4	Technical Elective	4
GE	4	CDE2000 Creating Narratives	4
GE	4		
Sub-total	**22**	**Sub-total**	**18**

^ Students are recommended to take EG2201A in this semester. Those who wish to take EG2310 (in lieu of EG2201A) should take EG2301/EG2311/EG2606B in Semester 1 and EG2310 in Semester 2/4.

Poly-intake students with accredited diplomas will receive the following exemptions:

- DTK1234 Design Thinking (4 MCs)
- EG1311 Design & Make (4 MCs)
- EG3611A Industrial Attachment (10 MCs)
- Unrestricted elective modules (20 MCs)

(updated 3 September 2022)

Recommended semester schedule – poly-intake students
(for students who are required to take MA1301)

Semester 1	MCs	Semester 2	MCs
ME1102 Engineering Principles and Practice I	4	ME2104 Engineering Principles and Practice II	4
ME2102 Engineering Innovation and Modelling	4	ME2112 Strength of Materials	4
CS1010E Programming Methodology	4	GEA1000 Quantitative Reasoning with Data	4
MA1301 Introductory Mathematics (UEM)	4	MA1512 Differential Equations for Engineering	2
Group A/B module for Second Major ^	4	MA1513 Linear Algebra with Differential Equations	2
		PF1101 Fundamentals of Project Management	4
		EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**26**

Semester 3	MCs	Semester 4	MCs
MA1505 Mathematics I	4	EG2501 Liveable Cities	4
ME2134 Fluids Mechanics I	4	EE2211 Introduction to Machine Learning	4
ME2162 Manufacturing Processes	4	ME2121 Engineering Thermodynamics and Heat Transfer	4
ES2631 Critique and Communication of Thinking and Design	4	ME2142 Feedback Control Systems	4
IE2141 Systems Thinking & Dynamics	4	EG2401A Engineering Professionalism	2
EG3301R DCP Project	6	Group A/B module for Second Major	4
Sub-total	**26**	**Sub-total**	**22**

Semester 5	MCs	Semester 6	MCs
EG4301 DCP Dissertation	6	EG4301 DCP Dissertation	6
Innovation & Enterprise Elective 1	4	Innovation & Enterprise Elective 2	4
ME2115 Mechanics of Machines	4	Technical Elective	4
GE	4	CDE2000 Creating Narratives	4
GE	4	GE	4
Sub-total	**22**	**Sub-total**	**22**

^ Students are recommended to take EG2201A in this semester. Those who wish to take EG2310 (in lieu of EG2201A) should take EG2301/EG2311/EG2606B in Semester 1 and EG2310 in Semester 2/4.

Poly-intake students with accredited diplomas will receive the following exemptions:

- DTK1234 Design Thinking (4 MCs)
- EG1311 Design & Make (4 MCs)
- EG3611A Industrial Attachment (10 MCs)
- Unrestricted elective modules (20 MCs)

(updated 3 September 2022)